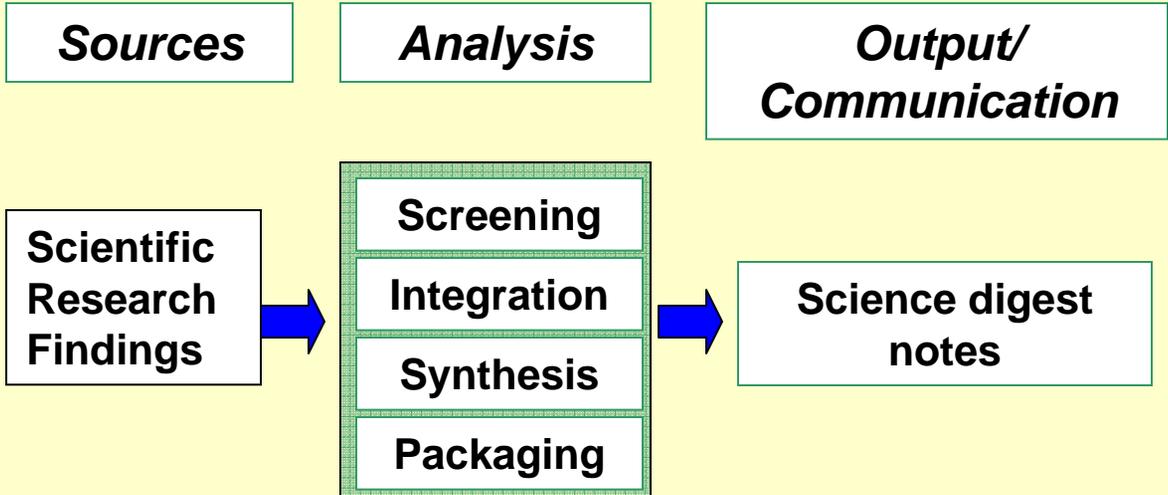


US EPA ARCHIVE DOCUMENT

**HOW? Global Environmental Alert Service (GEAS)**

**GEAS Component 3  
Environmental  
Science Alerts**

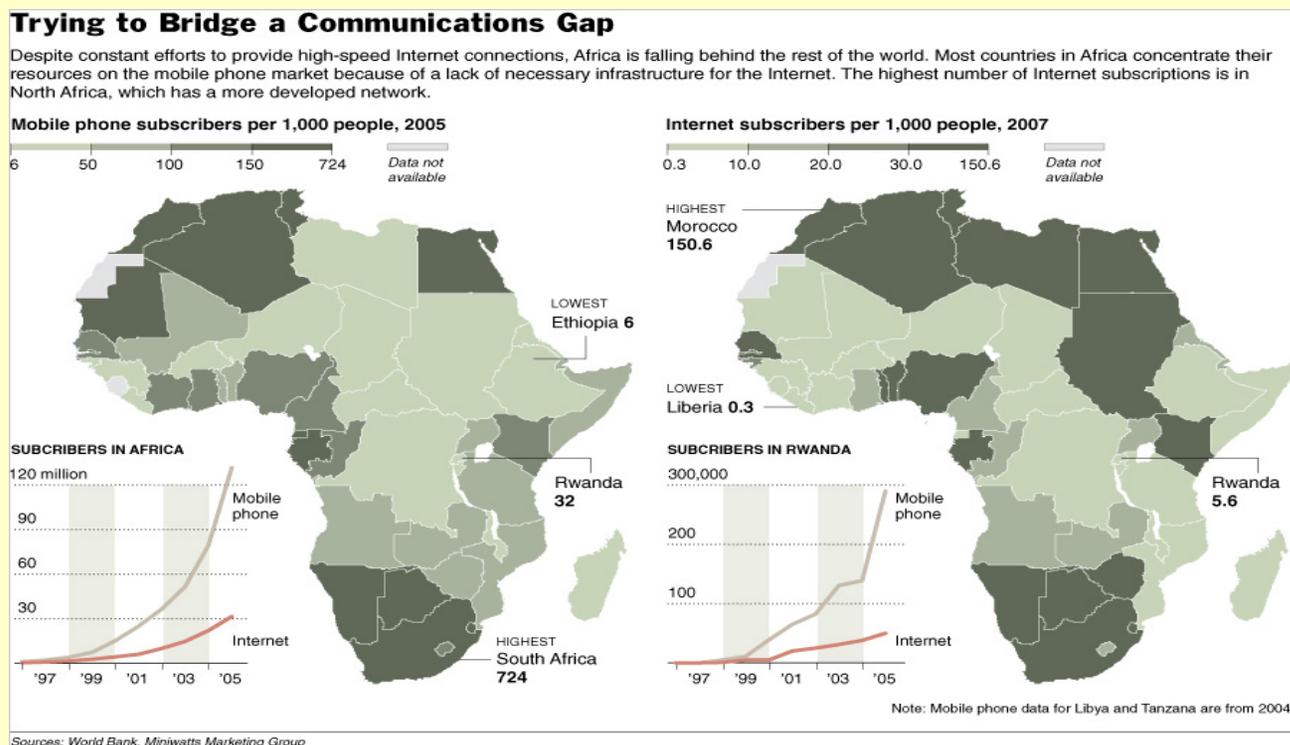


**Malaria Early Warning for Sub Saharan Africa**  
 Recently, a group of scientists from the Center for Medium-Range Weather Forecasts in Reading, UK, developed a method for predicting malaria impact several months in advance.  
 Malaria represents the most important parasitic infection in people causing more than 1 million deaths each year, mostly in Sub-Saharan .....  
 Unfortunately more often malaria treatments are not easily accessible and effective in Africa, especially to ones  
**References**  
 Palmer T. N.,  
 Alessandri A.,  
 Andersen U., ...

# HOW? Outreach and User Engagement

*..Harnessing the power of new technologies*

- Use of **standard format** alerts: compatible with all information systems, warning systems, media, and most importantly, with new technologies such as web services.
- A **partnership with Google** and the news media is being explored
- Ongoing discussions to include GEAS in the **GEO web portal**
- GEAS could become a content provider for **GEONETCast**



HOW?

## Outreach and User Engagement

## Profiling System

## Profile Manager

Use this page to configure your preferences for GEAS' weekly e-mail update. Fields marked with \* are required.

Name:   
E-mail:  \*  
Secret question: Select one  \*  
Answer:  \*  
Confirm answer:  \*

Company:   
Country:

E-mail delivery preferences:  HTML  Plain text

Please select which components of the system you are interested in. **Please select at least one component.**

**Alerts Component (1)** –information on environmental hazards in your area of interest

Select theme(s) of interest

Cyclones  Earthquakes  Fires  Floods  Volcanic Eruptions

Select location(s) of interest

Lat:

**Hotspots Component (2)** – environmental change case studies

**Briefs Component (3)** –news briefs covering new scientific findings

Your e-mail address will not be disclosed to third parties without your authorization. By submitting this form you are subscribing to a weekly e-mail update service, which you can terminate at any time.

# GEAS – Near Real Time Component: Demo

The screenshot displays the GEAS live demo interface, which includes several key components:

- Service Panel:** A window titled "Service" with a close button (X) is open, showing a line graph titled "Lake Victoria Height Variations" with the subtitle "PEX 10 Year Geo-referenced 10Hz Along Track Reference". The graph plots two data series, one in blue and one in red, over a period of time.
- Map of the United States:** A map of the United States with various colored markers (green circles, yellow squares, red triangles) indicating data points. A legend in the bottom-left corner lists categories: Good (green circle), Moderate (yellow square), Unhealthy for Sensitive Groups (red triangle), Unhealthy (red diamond), Very Unhealthy (red diamond with a dot), and Hazardous (red star). There are also "Blink on/off" controls for the last two categories.
- Site Navigation Panel:** A panel on the right titled "Site Navigation" contains links for "[ Alert Type List ]" and "[ Alphabetical List ]". Below this, it lists "Air Quality" with links for "Good to Moderate for San Jose, U.S.", "Air quality for London, England", and "Good to Moderate Ground Level Ozone in W...". It also lists "Crises and Emergencies" with links for "War Crisis between Lebanon and Israel" and "Food Insecurity".
- AFIS-SENSOR-WEB FIRE MAPPER:** A window titled "AFIS-SENSOR-WEB FIRE MAPPER" shows a map of South Africa with various colored markers. A "Layers" panel on the right lists: "Mobile Active", "Fires Last 24Hrs", "MODIS Active Fire Detections", "MSG-Fires Last 15 min", "MSG-Archive", "Transmission Sub stations", "Towns", "Cities", "Major Cities", and "Transmission". A "Date Query" section allows for filtering by "Start Date" (2007-07-26) and "End Date".
- Map of South Africa:** A map of South Africa with various colored markers (green, yellow, red) indicating data points. A legend in the bottom-left corner is visible.
- Footer:** Logos for CSIR, Eskom, and other partners are displayed at the bottom of the interface.

GEAS live Demo

# GEAS – Hotspots Component: Google Earth Demo

